Collaborative Parallel Grippers ECG3-10080 3-Finger

- ECG is a collaborative 3-finger parallel gripper that is equipped with symmetrically parallel Advantages

 Compact design
 Smooth body with rounded edges ideal for collaborative applications
 Grip control: force and position adjustment
 Quick open/close time with speed adjustment
 Grip feedback and part detection: gripper status can be read at the PLC/Controller and visualized on the unit via LED's
 Plug and play: mechanical and software interface for major cobot manufacturers
 Multiple communication modes: the gripper supports Modbus RTU protocol and IO mode control. Other protocols such as USB and ETHERNET can be implemented through a protocol converter.
 ROS compatible
 Designed for harsh environments
 Grip actuation via embedded controller.
 Brake locking mechanism.



SPECIFICATIONS

Mo	odel	Stroke per Jaw	Gripping Force per Jaw	Total Gripping Force	Opening/ Closing Time	Nominal Voltage	Nominal Current	Max Current	Repeatability (Positioning)	Recommended Workpiece Weight*	Weight
ECG3	-10080	10 mm 0.39 in	20 - 80 N 4.50 - 17.98 lb	60 - 240 N 13.49 - 53.95 lb	0.2 / 0.2 s	24 V DC ± 10%	0.30 A	1.00 A	± 0.03 mm ± 0.001 in	1.5 kg 3.31 lb	1.50 kg 3.31 lb

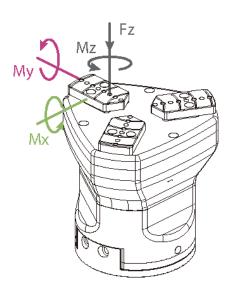
^{*} Recommended workpiece weight depends on the shape of the part, the material and friction of the contact surface and the acceleration of the motion.

Communication Interface Standard: Modbus RTU (RS485), Digital I/O
Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT

IP Protection Class IP 67

Noise Emission (Sound Pressure) ≤ 40 dB(A) in any direction
Recommended operating environment 0-40 °C (32-104 °F), < 85% RH

For this type of gripper the use of the standard fingers is recommended.

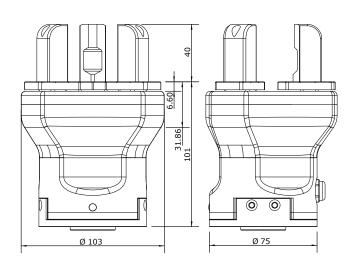


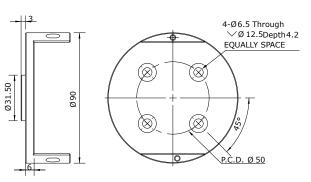
Allowable vertical load (static)								
Fz	200 N (44.96 lb)							
Allowable moment (static)								
Mx	2.5 Nm (22.13 in-lb)							
Му	2 Nm (17.70 in-lb)							
Mz	3 Nm (26.55 in-lb)							



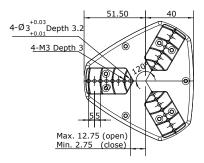
PRODUCT INFORMATION

ECG3-10080 3-Finger





Conform to ISO 9409-1-50-4-M6 Standard flange



Custom fin ger mounting size



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